

Name _____

Honors Chemistry

___/___/___

Elemental Physical Properties Lab

Observe and record at least two intensive physical properties of each element (color, odor, brittle, etc.). On the back, fill out the chart with the correct information for each element.

1. aluminum:

2. antimony

3. arsenic

4. bismuth

5. cadmium

6. calcium

7. carbon (graphite)

8. chromium

9. copper

10. iron

11. lead

12. magnesium

13. nickel

14. oxygen

15. silicon

16. sulfur

17. tin

18. zinc

| Element | Electron Configuration | Oxidation Number | Valence Electrons/ Dot Diagram | metal, non-metal, metalloid |
|----------------------|------------------------|------------------|-----------------------------------|--------------------------------|
| Aluminum | | | | |
| Antimony | | | | |
| Arsenic | | | | |
| Bismuth | | | | |
| Cadmium | | | | |
| Calcium | | | | |
| Carbon (graphite) | | | | |
| Chromium | | | | |
| Copper | | | | |
| Iron | | | | |
| Lead | | | | |
| Magnesium | | | | |
| Nickel | | | | |
| Oxygen | | | | |
| Silicon | | | | |
| Sulfur | | | | |
| Tin | | | | |
| Zinc | | | | |